

#### **ICT Applications in Educational Fields**

Verifying the results of academic ability development and non-cognitive skills development through digital arithmetic learning and teacher training

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### **EDU-Port Nippon initiative of Surara Net**

Target Country: INDONESIA, SRI LANKA, EGYPT

1. Verifying the effectiveness of strengthening basic academic skills in math through "personalized leaby digital education (Sri Lanka)



2. Verification of the improvement of non-cognitive skills essential for academic achievement through digital education

In an education support activity in collaboration with verious Sri Lankan NGOs, develop "Surala Math-Digital Class" (target students: approximately 1,000 students) and measure changes in basic academic skills improvement. In addition, in collaboration with an international NGO, will investigate the improvement of non-cognitive skills of educators (instructors) and their students who are practicing digital class.

3. Organize joint Digital Math Contests in Japan and to promote student learning and expand internation

Finished les









2,500+

Schools & Tutoring schools
In Japan & Overseas

430,000+

Active Users
Learning with Surala

13+

Awards and Projects selected since 2008

### **Overseas Business Development of Surara Net**

Education activities have been developed in 8 countries so far. Mainly for elementary to junior high school students aiming to strengthen their math skills. Currently, business operations are focusing on three countries: Indonesia, Sri Lanka, and Egypt.



Started a JICA survey since 2020 and now provide English medium of Surala Math to some

private sectors/

#### Sri Lanka:

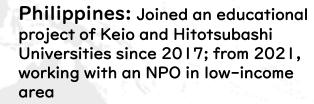
Started JICA project in 2014 with Women's bank, a micro finance organization. Now collaborating with schools and local / international organizations



Start a new project to develop a new Math program in Khmer



Palau: Collaborate with private school in the time of Pandemic.



Indonesia: Start education business activity since 2018 and now have partner schools in Jakarta-Bandung area. Conducted some organization projext.



















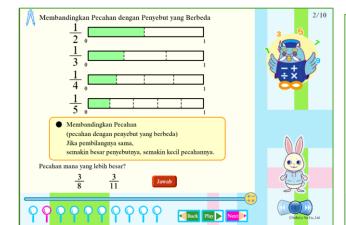








Surala Math (From Primary Upper to Secondary; G8)





## **Promoting Digital Education in Egypt**





## Trial Activities at Egyptian Japanese Schools (EJS) (From October 2024 – February 2025)



Surala Digital Math Class was held once a week on Saturdays. 71 students of G4 and G5 from 4 schools in the New Cairo and Aswan area participated. Five types of learning plans, discussed with teachers according to academic achievement levels by the Placement Test, were delivered to each student. The students acquired the personalized learning to improve academic performance such as mental calculation skills and fractions.

Trial School: (1) New Cairo School, (2) Met Gamal School,

(3) Hay El Asher School, and (4) El Radeshya School













11 teachers participated in 3days Training for the paradigm shift to digital education (September 2024)









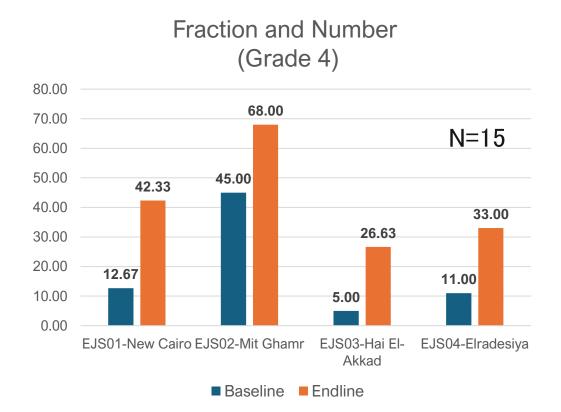
Digital Class Implementation at 4 schools of EJS (October 2024-)

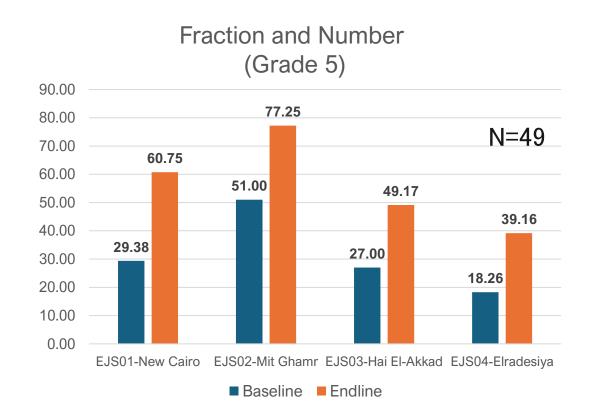
### Reference: Comparison of Baseline and Endline Test results (partial)



The discipline-based education practiced at EJS has been firmly established as the foundation of students 'learning habits. As a result, Surala's digital learning effectively facilitate individualized learning.

 Grade 4 students showed an average score increase of 24.1 points and Year 5 students improved by 25.2 points. (results of assessment test)





### **Promoting Digital Education in Egypt**







Expand the number of grades each year (currently GI-3: approx. 400 students utilizing the system)

Students acquire learning habits and increase the amount of learning year by year after the disruption of After Corona. The amount of learning has increased, and the evaluation of self-directed learning has also increased.

In 3<sup>rd</sup> year, "Surala Class" became the most popular at parent-teacher conferences.

● II schools from Egypt participated in the Surala Digital Math Contest.













## **Surala International Digital Math Contest 2024**





**Surala International Digital Math Contest - Online international Math Contest** 

- · Countries : Indonesia, Sri Lanka, Egypt, Japan, Philippines, Cambodia
- Number of participating students: 3,800 students
- Category : Box Calculation / Math test



















Competing calculation accuracy and speed

-			AND DESCRIPTION OF THE PROPERTY OF THE PROPERT
	40Box	Grade 1	Addition and Subtraction (without carrying)
	50Box	Grade 2,3	Addition and Subtraction (with carrying and borrowing) **Grade2 students challenge 40 box in preliminary round
	100Box	Grade 4,5,6	Addition, Subtraction, Multiplication and Division
	100Box Senior	Over Grade7	

#### **Math Test**

Competing comprehensive math skills

Test type	Recommended Grade	
Category A	Grade4	
Category B	Grade5	Problem number: 17 Answer the following using 3.14 for the
Category C	Grade6	
Category D	Grade7	Acm



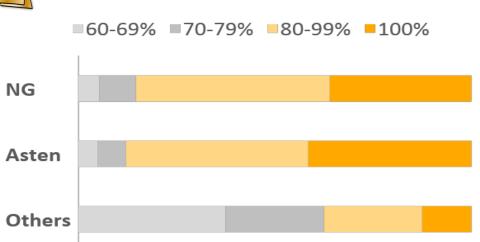
# Reference: Academic Achievement Results in Surla Partner Schools in Egypt





## [Results of the calculation category of the contest]

-Comparison of Grade 2 and 3 Scores







Since the implementation of the Surla platform, there has been a remarkable improvement in the students' math skills. The students' sense of responsibility and self-management skills have also improved throughout the class. The clear learning path of "Surala" has helped guide students along the way and established a more disciplined and and focused approach to learning. In addition, monitoring features allow teachers to identify student challenges early and intervene at the right time. This proactive approach has further motivated students to learn.

# In closing: Key words for the future education - What Surala would like to offer through ICT education -



## Personalized Learning

...Along with the spread of ICT education in the Corona Disaster, education around the world is accelerating personalized optimization of learning (provision of learning tailored to individual students) in order to address the academic achievement gap exposed by distance education, and the nature of education is undergoing fundamental change.

## Self-regulated Learning, SRL

··· In today's society, students are required to be able to set their own learning goals, plan, implement, and review their learning. Therefore, education in the future must nurture the skills and attitudes needed to continue learning independently, rather than simply cramming knowledge into students.

Surala aims to enhance the power of self-regulated learning through digital learning experiences. → Closely related to non-cognitive abilities: developing self-regulation, planning skills, and Grit.

